What is claimed is:

1   1.   A telephone controller controlling a plurality of
2   telephones connected to the Internet via a LAN (Local Area
3   Network), said telephone controller comprising:

4   an IP (Internet Protocol) address allocating circuit
5   which allocates a private IP address to each of the plurality
6   of telephones;

7   a memory in which a table indicating a correspondence
8   between Ids (Identifier) of the plurality of telephones and the
9   private IP addresses is stored; and

10   a control circuit which controls communication between
11   the plurality of telephones and the Internet using the private
12   IP addresses,

13   wherein the ID includes a domain name of said telephone
14   controller and identification information.

1   2.   The telephone controller according to claim 1 wherein said
2   control circuit extracts the identification information from
3   the ID received via the Internet, searches said table with the
4   identification information to obtain the private IP address,
5   and executes communication between a telephone to which the
6   private IP address is allocated and the Internet.

1   3.   The telephone controller according to claim 1 wherein said
2   control circuit notifies the allocated IP address to the
3   telephone.

1   4.   The telephone controller according to claim 1 wherein the

2   identification information is composed of a user name and an

3   extension telephone number of the telephone.

1   5. The telephone controller according to claim 1 wherein said

2   memory stores therein a table indicating a correspondence among

3   the ID, private IP address, extension telephone number, and user

4   name.

1   6. The telephone controller according to claim 1 wherein said

2   memory further stores therein a table indicating communication

3   history information for each ID.

1   7. The telephone controller according to claim 4 wherein said

2   table is updated in response to a request from the telephone.

1   8. The telephone controller according to claim 1, further

2   comprising means for receiving the ID, wherein said control

3   circuit stores the ID received from said means for receiving

4   into said memory.

1   9. The telephone controller according to claim 1, further

2   comprising a transfer circuit which transfers information

3   stored in said table to some other telephone controller.

1   10. A telephone communication unit composed of a LAN connected

2   to the Internet, telephone controllers communicating each other

3   via the LAN, and a plurality of telephones, wherein

4   each of said telephone controllers comprises:

5   an IP address allocating circuit which allocates a

6   private IP address to each of said plurality of telephones;

7   a memory in which a table indicating a correspondence

8   between IDs and identification of said plurality of telephones

9   and said private IP addresses is stored; and

10   a control circuit which controls communication between

11   said plurality of telephones and the Internet using the private

12   IP addresses, and

13   wherein each of said plurality of telephones includes an

14   input circuit which receives the ID and the identification

15   information and sends the ID and the identification information

16   received from said input circuit to said telephone controller.

17   11. The telephone communication unit according to claim 10

18   wherein said control circuit extracts the identification

19   information from the ID received via the Internet, searches said

20   table with the identification information to obtain the private

21   IP address, and executes communication between a telephone to

22   which the private IP address is allocated and the Internet.